Figures

FIGURE 1

CHIP-BASED "DIGITAL" TAG
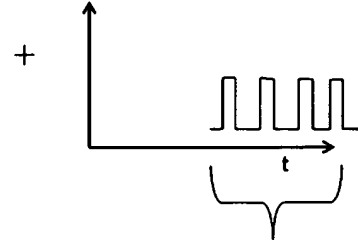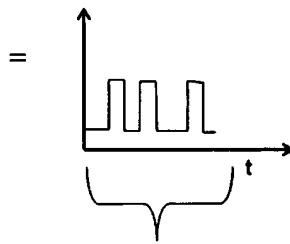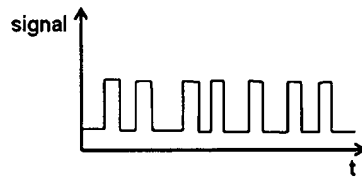data is represented by digital waveform

ID STRING: 01101101011   =   0 1 1 0 1 ...   +   ... 1 0 1 0 1 1

FIXED, PRE-PROGRAMMED
DATA FIELD

VARIABLE, EXTERNALLY-
DERIVED DATA FIELD

CHIPLESS "ANALOG" TAG
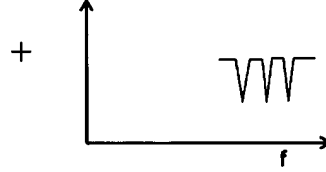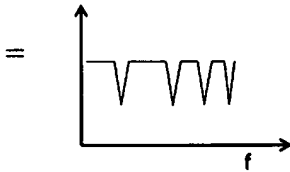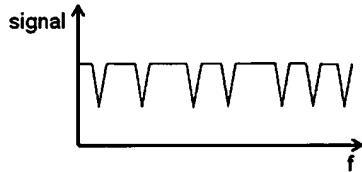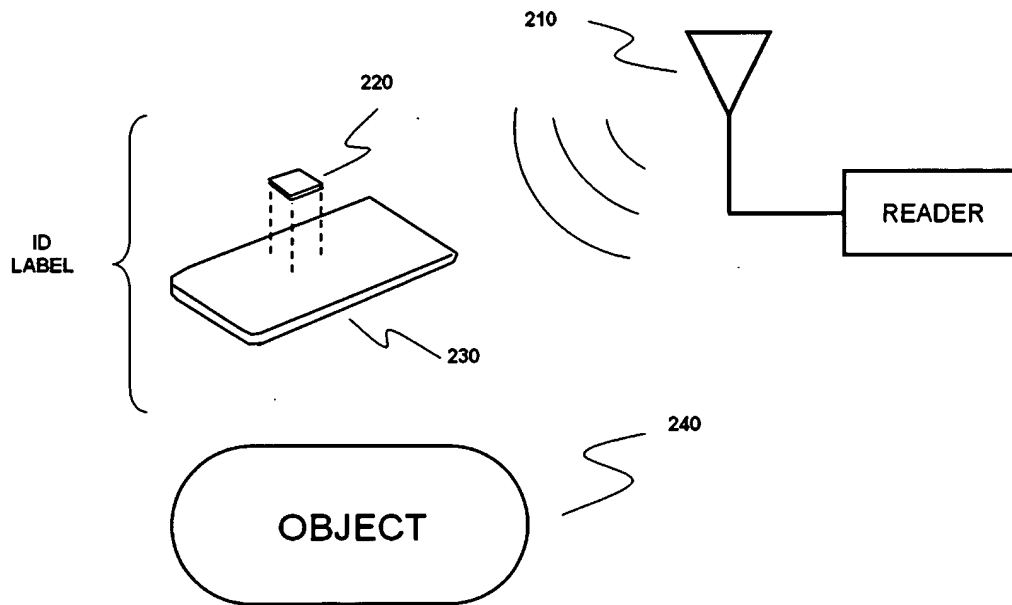data is represented by analog waveform
(e.g. resonance peaks)

FIGURE 2

FIGURE 3A   FIGURE 3B

OBJECT

OBJECT

$\sigma(r), \mu(r), \varepsilon(r)$

FIGURE 4

CAPACITIVELY-
COUPLED
TAG

410

420

420

430

440

410

INDUCTIVELY-
COUPLED
TAG

430